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A REPORT ON A BRIEF PRELIMINARY SURVEY OF  
BOYAGIN RESERVE

Prepared by Mr H. Butler

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BOYAGIN RESERVE

The Reserve

The Boyagin Reserve is situated between Brookton and Pingelly and is about 10 miles west of the main Great Southern Road between these two towns. It is surrounded by agricultural properties and has been logged and burned heavily in the past.

Apiary sites occur in its environs, and feral bees have established themselves.

Some small farming areas have been established, but reverted to bushland or are in the process of reverting.

Duration

27th January 1972 until 5th February 1972.

Climate

No records were kept due to the loss of my equipment. However, the physical situation is such that the records for Pingelly, Brookton and Wandering should indicate the climate in detail. It is very similar to Dryandra.

Human Alterations

A major road bisects the two main halves of the reserve. From this a system of firebreaks and access roads web north and south.

Two dams have been built in the reserve - one in each half.

Generally the strip of land along Boyagin Creek is farmed, which cuts the reserve into two major pieces. A small 300 acre piece is to the east.

The perimeter of the reserve is elongated, allowing a maximum of change and contact.

A.P.B. Rabbit Vermin Officers have run poison tracks recently in the reserve.

There is some local hunting in the reserve.

## Geology

Generally the area consists of two high ridges which drain into surrounding flats. These flats have been taken up with agricultural developments.

The very top of the ridges appears to be laterite duricrust or overlaid sandy gravel. This erodes out to granite shields and tors of which Boyagin rock is typical.

The lower levels consist of sandy clay flats.

There are two dams with water in the reserve.

## Botany

The Botany matches the Geology.

- 1.) The laterite ridges have jarrah, with dryandra scrub.
- 2.) The tip of the ridges grows a Brown Wallet complex.
- 3.) The slopes are basically Powderbark Wandoo with gastrolobium, dryandra and xanthorrhoea understory.
- 4.) The flats are mature wandoo.
- 5.) Granite shields are Casurina thicket areas.
- 6.) The run off of the shields is a casurina acacia complex with the better-watered areas containing Marri and Flooded Gum.

## Habitats

I recognised the above 6 units as the major habitat blocks of the reserve and worked accordingly.

## Method of Survey

- 1.) Spotlight runs both on foot and by vehicle.
- 2.) Vehicle and foot traverses morning and afternoon in various habitats.
- 3.) Traplines of mixed trap types on all environments.
- 4.) Mist nets over both dams.
- 5.) Opportunistic shooting of bats especially.

## Personnel

Myself and my wife for the whole period, 27 Jan. - 5 Feb 1972. Mr N. McKenzie and his assistant Mr. K. Morris assisted.

with night activities, 2 - 4 Feb. (Fauna Research Dept).  
 Mr. L. Moss, District Fauna Warden, visited the camp on  
 two occasions, for discussions.

The Fauna Mammalia

<u>Name</u>	<u>SPECIMENS</u>	<u>COMMENTS</u>
<u>Tachyglossus aculeatus</u>	No specimens.	Tracks, diggings and scats common.
<u>Sminthopsis murina</u>	6 specimens.	Common in area.
<u>Trichosurus vulpecula</u>	2 skulls.	Not sighted, no tracks seen.
<u>Cercartetus concinnus</u> S/W Pigmy Possum	1 specimen.	One only taken in dead blackboy.
<u>Macropus fuliginosus</u>	3 skulls.	Very common in area.
<u>Macropus irma</u>	1 skull.	Common in area.
<u>Macropus eugenii</u>	1 specimen.	One only seen. Very small animal.
<i>Little bat</i> <u>Eptesicus auralis</u>	2 specimens.	Frequently seen at dusk and dawn.
<i>bat</i> <u>Chalinolobus gouldii</u> <i>Gould's Wetted Bat</i>	20 specimens.	Very common at dusk. These specimens should be checked as there appears to be two forms.
<u>Myotis s.</u> <i>Bat</i>	None.	Seen at dusk.
<u>Padarida australis</u> <i>White-striped Bat</i>	None.	Heard and seen at night.
<u>Padarida planiceps</u> <i>Little Flat Bat</i>	1 specimen.	Taken in mist net.
<u>Mus musculus</u>	20 specimens.	Very common most areas.

Oryctolagus cuniculus . None.

Very common most areas.

Canis familiaris

Tracks frequent in forest. Local aborigines using them to hunt kangaroos.

Vulpes vulpes

One seen, but tracks frequent.

Felis catus

Tracks found occasionally.

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Generally the area is thin in mammals except Macropus fuliginosus. These are causing eroded tracks in places with their frequency. Theoretically the reserve should comfortably support 250 of this species. The number is probably below that.

Trapping was very poor, as was spotlighting collecting.

Trap Results Bogagin Reserve

<u>LOCALITY</u>		27	28	29	30	31	1	2	3	4	5	<u>TOTAL</u>
West Campsite	1	0/8	0/8	0/8	0/8							0/32
West Campsite	2	0/7	0/7	0/7	0/7							0/28
West Damsite	1		0/8	0/8	0/8	0/8						0/32
West Damsite	2		0/7	0/7	0/7	0/7						0/28
Bogagin South Rock Crest1			1/4	1/4	1/5	0/5	0/5					3/23
Bogagin South Rock Crest2			0/3	1/3	0/4	0/4	0/4					1/18
Bogagin South Rock Base 1			2/4	1/4	2/5	1/5	0/5					6/23
Bogagin South Rock Base 2			1/4	3/4	1/5	0/5	0/5					5/23
West Block Sand Plain	1			0/8	0/8	1/8	1/8	1/8				3/40
Wandoe Powderbark	2			0/7	0/7	0/7	2/7	0/7				3/35
West Block Sand Plain	2			0/8	0/8	1/8	2/8	1/8				4/40
Jarra	2			0/7	0/7	0/7	0/7	0/7				0/35
East Block Sand Plain	1							$\frac{0}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	3/40
East Block Sand Plain	2							$\frac{0}{10}$	$\frac{0}{10}$	$\frac{1}{10}$	$\frac{0}{10}$	1/40
East Block Damsite	1							0/8	0/8	0/8	1/8	1/32
East Block Damsite	2							0/7	0/7	0/7	0/7	0/28

Elliot (1) 20 for 262  
 Breakback (2) 9 for 235  
29 for 497

Some Elliots have been coated with sand/dust on the inside which interefers with the efficient operation of the door.  
 These traplines involve all environments, with at least 3 nights on each habitat.

The Fauna - AVES

No specific attention was paid to bird records following the directive of Dr. A.A. Burbidge. This list then represents only those birds incidentally logged during other activities. Generally birds are sparsely distributed in the reserve.

- 1 Emu - West block only.
- 2 Whistling Eagle.
- 3 Australian Goshawk.
- 4 Wedgetail Eagle.
- 5 Peregrine Falcon - a good record.
- 6 Brown Hawk.
- 7 Mallee Powl.
- 8 Quail (?) Stubble quail. On a rock face.
- 9 Common Bronzewing.
- 10 Brush Bronzewing.
- 11 Purple-crowned Lorikeet.
- 12 White-tailed Black Cockatoo.
- 13 Smoker Parrot.
- 14 Western Rosella.
- 15 Redcapped Parrot.
- 16 Twenty-light Parrot.
- 17 Elegant Grass Parrot.
- 18 Golden Bronze Cuckoo.
- 19 Boobook Owl.
- 20 Barn Owl.
- 21 Tawny Frogmouth.
- 22 Owllet Nightjar.
- 23 Kookaburra.
- 24 Rainbow-bird.
- 25 Tree Martin.
- 26 Pitt
- 27 Blackfaced Cuckoo-shrike.
- 28 Chestnut rail-Thrush.
- 29 Splendid Wren.
- 30 Redwinged Wren.
- 31 Western Warbler.
- 32 Brown Thornbill.
- 33 Western Thornbill.
- 34 Yellow-tailed Thornbill.
- 35 Spotted Scrub-wren.
- 36 Weebill.
- 37 Scarlet Robin.
- 38 Red-capped Robin.
- 39 Grey Fantail.
- 40 Lilly Wartail.

- 41 Golden Whistler.
- 42 Rufous Whistler.
- 43 Western Shrike Thrush.
- 44 Black-flapped Sittella.
- 45 Rufous ~~Tree~~- Creeper.
- 46 Mistletoe Bird.
- 47 Spotted Pardalote.
- 48 Red-tipped Pardalote.
- 49 Silver-eye.
- 50 Brown Honeyeater.
- 51 Singing Honeyeater.
- 52 White-eared Honeyeater.
- 53 White ~~flapped~~ Honeyeater.
- 54 Spinebill.
- 55 New Holland Honeyeater.
- 56 Magpie Lark.
- 57 Black-faced Wood-Swallow.
- 58 Dusky Wood-Swallow.
- 59 Squeaker.
- 60 Grey Butcher ~~Bird~~.
- 61 Western Magpie.
- 62 Raven.
- 63 Crow (?) White feather Bases clearly seen.

#### Results of the Survey - Herpetological

This list is tentative, pending positive identity by the W.A. Museum.

<u>Snakes</u>	<u>Python sniotes</u>	One dead on road; not kept.
	<u>Domansia affinis</u>	One taken at night.
	<u>Pseudochis australis</u>	Slough found on granite.
<u>Goannas</u>	<u>Varanus gouldii</u>	Sighted, not collected.
	<u>Varanus tristis</u>	Sighted, not collected.
<u>Gekkos</u>	<u>Stellurus milii</u>	Taken at night.
	<u>Gehyra variegata</u>	Under granites.
	<u>Stylodactylus variegatus</u>	Under dead bark.
	<u>Crenodactylus ocellatus</u>	Under dead bark.
<u>Lacertids</u>	<u>Delma fraseri</u>	Slough found.
<u>Dragon</u>	<u>Amphibolurus ornatus</u>	Common on granite.



<u>Skink</u>	<u>Tiliqua rugosa</u>	Few.
	<u>Egernia kingii</u>	On granites.
	<u>Egernia whitei</u>	Few in sandy areas.
	<u>Ctenotus labillardieri</u>	Frequent.
	<u>Morethia butleri</u> (?)	Few.
	<u>Cryptoblepharus plagiocephalus</u>	Common.
	<u>Menetia greyi</u>	Common.

At no place were lizards frequent.

<u>Frogs</u>	<u>Heleioporus barycragus</u> (?)	One juvenile found.
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DISCUSSION.

While it must be recognised that ten days at this time of the year are not conclusive, certain factors can be derived from this survey.

- (1) The fragmentation of the reserve with the resultant extra amount of perimeter scorch and weed invasion will in time cause habitat changes.
- (2) The lack of habitat diversity is critical. Although there are six major habitats in the reserve, they all are on relatively high land. Agriculture has taken out almost all the lower country. It is my opinion that a seasonal movement up and down the slopes is normal, and a reserve that does not contain the necessary range will severely limit its fauna.
- (3) Human encroachment in the form of firebreaks and roads have made the reserve available to poachers who use it regularly. Those apprehended were aboriginal who immediately claimed they had the right to hunt wild life as they were aboriginals. I indicated that even if this were so, there was no law to prevent me shooting a stray dog in the reserve. Discussion on the matter with Warden L. Moss indicates that he has little power over the local coloureds due to this incredible law. Fauna in the area is very thinly spread. Feral species are encroaching. Cat, Fox, Rabbit and Mouse and Bee are all established in the area.
- (4) The use of Boyarin Rock as a tourist and picnic ground needs further policing. The area is very fire vulnerable. APB poisoning campaigns should be curtailed as at Tutanning.
- (5)
- (6)

This is at corner of Sect 23 marks it and, however, to believe sanctuaries are once off the reserve (4) a native has a right to have a (5) co. 6/7/72 (6) 72

RECOMMENDATIONS:

- (1) Some areas of the Bogagin Creek should be resumed and regenerated to establish a corridor for fauna. Logical area is between existing road and Bogagin Rock.
- (2) Any available low areas should be resumed and added to the reserve.
- (3) A management programme of firebreaks be instituted or upgraded as existing breaks are tenuous and in many places overgrown with grass.
- (4) Some signs need repair. Paper is weathering off.
- (5) A positive programme for Bogagin Rock use be instituted. This could be done in conjunction with a local service club possibly.
- (6) APB poisoning should be curtailed on the reserve.
- (7) An eradication campaign for feral species should be commenced and expedited. (8) No apiary leases should be granted in the reserve.

ACKNOWLEDGMENTS:

My thanks are due my wife who suffers the field discomforts in silence and is an invaluable assistant.

To Mr. N. McKenzie and Mr. K. Morris of Fisheries and Fauna Department, and Mr. and Mrs. L. Moss, also of the Department, who all assisted in spotlighting traverses.

Specimens collected on the survey are lodged in the N.M. Museum, and that institution is formally thanked in advance for identifying these specimens.

W.H. Butler. B.E.

8.2.72.

THURSDAY 27th JANUARY.

Daily Mileage - 128

Ex Perth 10.30. Flat tyre on trailer. Puncture on Land Rover. Arrived at Boyagin Campsite at 15.30. Made camp in old farm clearing. Unable to locate dam. Broke max\*min. thermometers in transit.

Set 15 traps in area.

8 Elliot	7 Breakback	of these,
4 Elliot	3 Breakback	casurina thicket.
2 Elliot	2 Breakback	Wandoo slope.
2 Elliot	2 Breakback	Wandoo creek flat.

Drove to Boyagin Rock and examined various areas en route. The following evidences of fauna occurred:

Mammals Tachylossus aculeatus  
Macropus fuliginosus  
M. irma  
Trichosurus vulpecula  
Rabbit  
Cat

Diggings fresh.  
1 sighted.  
1 sighted.  
1 fragmented skull.  
Frequent burrows.  
Tracks seen.

Birds Raven  
Magpie  
Red-winged wren  
Spotted Scrub Wren  
Grey fantail  
Kookaburra  
28 Parrot  
White-tailed Black Cockatoo  
Weebill

Yellowtailed Thornbill  
Grey Butcher Bird  
Western Shrike Thrush  
Purple Crowned Lorikeet  
Masked Wood Swallow  
Red-tipped Pardalote  
Western Warbler  
Bronzewing

Reptiles Carpet Snakes  
Gecko (Gehyra sp)  
Amphiboturus maculatus  
Varamis gouldii  
Trachysaurus rugosus

Very dead road casualty.  
On Boyagin Rock.  
On Boyagin Rock.  
Frequent diggings.  
Tracks.

Weather: Not strong W - SW wind. Humid. Still night.

FRIDAY 28th JANUARY.

Daily Mileage 224  
Less 163 to Beech)

Traps: — damage very much.

Set another 15 around dam area.

8 Elliots 7 Breakback all on wandoo slope.

Set one mist net over dam.

Visited Pingelly Fauna Warden (Les Moss?) to locate my camp, then went on to Katanning and delivered Bettongia penicillato (male) to Neville Beech.

Collected and Observed:

Mammals C. 3 chalinolobus gouldii 2 female, 1 male. Dusk shot

C. 1 Eptesicus punilis Male. Dusk shot.

Grey Kangaroo, Brush, Fox, Cat, Dog tracks and also Echidna.

Birds Add: Smoker parrot.  
Squeaker.

Reptiles C. 2 Otenastus labillardieri

1 Genetia grevi

- 1 Amphibolurus

Chased and apprehended 3 part-aboriginal youths with dog in cream Falcon station sedan, N824. Issued warning about use of dogs in reserve, also against removing wood.

Fauna Warden (Moss?) visited camp soon after and indicated he had been chasing these individuals for some time.

Traps: Nil. of 30.

15 more set near Boyagin Rock.

3 Breakback 4 Elliot in thickets on south rock.

4 Breakback 4 Elliot in creek line south of rock.

Another mist net on dam.

Spent day examining area block by block. Captured one Sminthopsis zurina (male) and found several recent nests of this species in dead blackboys.

A number of grey Kangaroos and Brush observed.

Some Amphibolurus ornatus collected, also Ablepharus greyii. Varamis couldii seen, also Exernia kingii on rock.

Birds to add to list:

Brown Hawk.

Rainbow Bird.

Golden Whistler.

Willy Wagtail.

Western Shrike Thrush.

Emu.

Scarlet Robin.

Red capped Robin.

Peregrine Falcon.

Spinebill.

New Holland Honeyeater.

SUNDAY 30th JANUARY

Daily Mileage 68.

Traps: 4 Mus musculus 1 on rock crest grass -  
melabaca.  
3 in creek at base of rock -  
eucalypt gastrolokin.

Mist Net: 2 Chalinolobus gouldii Male, female, over west dan.

Collecting: 1 Etosicus pumilis Male, dawn shot in open  
clearing at camp. Wandoo  
casurina.

General: General traverses of area to foot traverse to note  
likely spotlight and trap areas.  
Saw numerous (27) grey Kangaroos and 3 Brush. Most  
greys were small animals.  
Caught and released 3 Sminthopsis murina, males  
ex blackboys.

Birds to add: Whistling Eagle.  
Wedgetail Eagle.  
Chestnut Quail Thrush (?)  
Rufous Tree Creeper.  
Western Thornbill.  
Frogmouth.

MONDAY 31st JANUARY

Daily Mileage 38.

Traps: Took up line of 15 around campsite.  
West Dam line. Nil.  $\frac{0}{45}$   
Bozagin Rock. Set 2 more traps - 1 Elliot and  
1 Breakback. Caught 2 Mus  
musculus. (Males).  
South Rock Creek. Set 2 more traps, 1 Elliot and  
Breakback. Caught four Mus  
musculus (Males).  
Sand plain traverse Set 30 traps, 16 Elliot, 14  
south of camp. Breakback, in sand plain travel

Mist Nets: 1 Chalinolobus gouldii (?) May be C. morio

General: Block traverses with negative results.  
Repaired 2 flat tyres.

Birds: Silvereeye.  
Brush Bronzewing.  
White-faced Honeyeater.  
Mistletoe Bird.

Reptiles: Egernia whitei (?)

Weather: Cooler today, less humid.

Trans: Damsite west. Nil. Withdrew line.  $\frac{0}{60}$

Sandplain West 1 + 2. Nil.

Bozagin Rock crest. 1 Mus musculus (female)  $\frac{4}{23}$

Bozagin Rock Base. 3 Mus musculus (2 female, 1 male)  
E.E.B.  $\frac{10}{26}$

Mist Net: Nil.

General: Continued foot traverses of West Block. Will move camp tomorrow to East Block near Dam. No animals taken except Trachysaurus rugosus. Went to Pingelly for supplies and check with L. Moss, Warden, for possible contact. Negative.

Spotlight Run:

- .00 1955 hours. At camp. Just dark. Move south.
- .01 Cross main Track. Spotlight commence.
- 1.3 Fork West taken.
- 1.5 New fence. No wire. Turn North in paddock. BAT.
- 1.7 Turn back.
- 1.9 Road entrance. Continue south.
- 2.4 2 Macropus fuliginosus. End of block, turn back.
- 2.9 Road east taken.
- 3.1 Fork East taken.
- 3.5 Fork South taken.
- 4.9 End of block. PROGNATH. No fence, turn east.



5.1 End of block. Turn back. Rabbit.

5.3 Road entrance. Moon up. End spotlight.

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Traps: West Sandplain 1. 1 Mus musculus (male).  
 West Sandplain 2. 1 Mus musculus (tail only).  
 Boggin Rock Crest. Nil.  
 Boggin Rock Base. 1 Mus musculus (male).

Mist Net: Nil. Very windy last night. Nets taken down.

HB TV HF E PA  
Sminthopsis murina (?) Female 77 39 17 18 17

Cercartetus concinna. (Male) Alive.  
 Both in open Wandoo Xanthorrhoea with occasional  
gastrolobium and Accacia mulchella. Sandy gravel  
 soil.

Birds:

Wedgetail.	Western Rosella.
Brown Hawk.	Splendid Wren.
Black-faced Cuckoo Shute.	Pipt.
Boobooh Owl.	Maggie Lark.
Stubb Quail.	Kookaburra.

General:

Moved camp to East Dan. Warden Moss and Mrs. Moss  
 visited, and Mr. N. McKenzie and K. Morris from  
 the Research Branch made camp nearby.  
 Set up two mist nets. Very windy.  
 Shot two Chalinolobus couldii over den at dusk.

Spotlight Run: 2010 - 2230 hours.

1 unidentified small macropod in dense gastrolobium  
 thicket.  
 6 bats, including Tadarida australis. None  
 collected.  
 4 Macropus fuliginosus.  
 25 Rabbits - 17 shot.  
 2 Boobooh Owls.  
 2 Frogmouth.  
 1 Gymnodactylus milii collected.

Spotlight Run 2nd February

- 117.4 Ex Camp, East Dam. McKenzie vehicle 2010 hrs. West.  
Morris driver, McKenzie spotlight, Butler recording and  
shooting.
- 18.9 Main track. Turn left, then right, heading north.
- 19.4 Small macropod. Very dense cover.
- 19.7 Bat.
- 20.0 Barking Lizard. (Going West).
- 20.1 Bat.
- 20.3 Fence. Rabbit.
- 20.5 Fence corner. Bat. Tadavida australis.
- 21.6 Grey Roo?
- 21.8 Turn around.
- 23.4 Rabbit shot. (Fence corner again).
- 24.2 Booboo. Fence edge.
- 24.4 Rabbit shot.
- 24.5 Grey Kangaroo.
- 24.6 2 Rabbits, 1 shot.
- 24.9 Rabbit shot.
- 25.0 Rabbit shot.
- 25.1 Bat Tadarida australis.
- 25.2 Rabbit shot.
- 25.3 2 Rabbits. 1 shot.
- 24.4 5 Rabbits. 2 shot.
- 25.5 Fence corner. 2 Grey Kangaroos.
- 25.6 Rabbit shot.
- 25.7 Rabbit shot.
- 25.8 Rabbit shot.
- 26.1 2 Rabbits. 1 shot.
- 26.2 Rabbit shot.
- 26.3 Frogmouth.
- 26.5 Turn around.
- 26.6 Tadarida australis. Rabbit shot.
- 27.7 Rabbit shot.
- 28.1 Rabbit shot. Frogmouth.
- 28.2 Bat.
- 28.6 2 Rabbits. 1 shot.
- 29.4 Main Track. Turn west.
- 29.5 Frogmouth.
- 29.9 Booboo.
- 31.2 Dam Camp. 2230 hours.

THURSDAY 3rd FEBRUARY

Daily Mileage 49.

Traps:

Rock Crest.	Nil. Withdrawn.	$\frac{4}{41}$
Rock Base.	Nil. Withdrawn.	$\frac{11}{46}$
West Sandplain 1.	3 <u>Mus musculus</u>	E.B.B.
West Sandplain 2.	2 <u>Mus musculus</u>	E.E. including the owner of yesterday's tail in same trip.
New Line - East Sandplain.	10 Breakback, 10 Elliot.	
	Powderbar: Frickly Poison sand.	
New Line - East Damsite.	7 Breakback., 8 Elliot.	
	Nature Wandoo Flat.	

Mist Net: Nil. Still very windy.

General: Block search of east areas.  
Grey Kangaroos and Brush seen frequent. Some  
skeletal  
Caught 1 Smithopsis curina (male) released

Reptiles: Demansia nuchalis affinis (?)  
Gerrhonotus milii.  
Gerrhonotus ocelliferus.  
Ablepharus butleri (?)  
Ablepharus greyi (?)

Mammals: Shot 4 Chalinolobus coulcii over dam at Suck.

Birds:

Brown Thornbill.	Tree Martin.
Black-capped Bistella.	Brown Tree Creeper.
Least. Goshawk.	Singing Honeyeater.
Western Rosella.	Brown Honeyeater.
Elegant Parrot.	White-naped Honeyeater.
White-capped Honeyeater.	Black-faced Wood Swallow.

Spotlight Run: Very poor.

Spotlight Run Results for 3rd Feb.

- 2 Grey Kangaroos.
- 2 Brush Wallaby.
- 5 Frogmouth.
- 10 Rabbits, 8 destroyed.
- 1 Boobook.

Spotlight Record 3rd Feb.

Bozagin.

- 0.0 Ex camp East Damsite. McKenzie vehicle. Morris driver,  
McKenzie spotlight, Butler recording, collecting.  
2005 hours.
- 1.1 Frogmouth.
- 1.8 Fence, turn north.
- 2.7 Entesicus pusillus.
- 3.0 2 Rabbits shot.
- 3.1 1 Rabbit shot.
- 3.2 1 Rabbit shot.
- 3.3 1 Rabbit.
- 3.4 1 Rabbit shot.
- 3.8 Bozagin Turnoff. Not taken.
- 4.6 Frogmouth. Caught and released.
- 6.0 Damania affinis. 2055 hours.
- 6.3 Crossroad. Continue north.
- 7.4 Scymodactylus milii.
- 7.7 Fence. Turn right.
- 7.9 Turn round. Return to crossroad. 2130 hrs. Moon up.
- 8.9 Boobee owl.
- 9.6 Crossroad. Right turn.
- 10.4 Grey Kangaroo.
- 10.7 Rabbit.
- 11.0 Main track. Continue over south.
- 11.8 Brush Wallaby.
- 12.6 Frogmouth.
- 12.8 Right turn at corner.
- 13.3 Fence. Rabbit shot. Turn left.
- 13.6 Brush Wallaby.
- 14.4 Bozagin Turnoff. Main track taken.
- 15.5 Frogmouth.
- 15.7 Rabbit shot.
- 17.7 Frogmouth.
- 17.8 Rabbit shot.
- 18.3 Grey Kangaroo.
- 18.4 Camp. 2240 hours.
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FRIDAY 4th FEBRUARY

Daily Mileage 42.

Traps: West Block Sandplain 1. 1 Mus musculus (E)  
Withdrawn.  $\frac{5}{75}$

West Block Sandplain 2. 1 Sminthopsis murina (E)  
Released. Withdrawn.  $\frac{4}{75}$

East Block Sandplain. 1 Mus musculus (E).

East Damsite. Nil.

Mist Net: Nil.

Collecting: 1 Sminthopsis murina (Male). (McKenzie and Morris).

Reptiles: Nothing new, but additive to previous collection.

Dusk Shooting: 4 Chalinolobus gouldii.

Spotlighting: 1 Tammar (Female). Macropus eugenii.

HB 445. TV 360. HF 130. E 70. FA 80.

The animal was in McKenzie Habitat No. 1 Wandoo, box poison, occasional casurina saplings, with some sparse grassed open ground.

5 Frogmouth.

40 Grey Kangaroos.

29 Rabbits. 8 Destroyed.

1 Mouse (?)

1 Macropod (?) Macropus irma (?)

- 0.0 Ex camp. McKenzie vehicle. McKenzie driving, Morris  
spotlight, Butler recording, shooting.
- 0.3 Frogmouth.
- 1.4 Tamar. Road junction. Turn left.
- 1.5 Turn right. Frogmouth, downing head feathers.
- 2.2 Crossroad. Turn left - west.
- 2.4 Macropod. (M. irma(?))
- 2.5 Bat.
- 2.8 Fence. Rabbit shot. Turn right - north.
- 2.9 Frogmouth.
- 3.0 Grey Kangaroo.
- 3.1 Fence corner. Left then right. (NW)
- 4.2 Fence. Turn left. (W)
- 4.3 Corner. Turn right. (N)
- 4.4 Corner. Turn left. (W). 19 Grey Kangaroos in paddock  
stubble.
- 4.7 Loop in track.
- 4.9 6 Grey Kangaroos in stubble.
- 5.0 Fence corner, turn left. (S) 3 Rabbits, one shot.
- 5.2 2 Rabbits, 1 shot.
- 5.5 Grey Kangaroo.
- 5.7 2 Rabbits, 1 shot.
- 5.8 Tadarida australis.
- 6.2 Rabbit shot.
- 6.3 2 Rabbits, 1 shot.
- 6.5 7 Rabbits, 1 shot.
- 6.7 6 Rabbits, 1 shot. Rock face, turn back.
- 6.8 2 Rabbits, 1 shot. Mouse (?) Burrow in rock.
- 8.0 Rabbit.
- 8.4 2 Grey Kangaroos (= 4.9m)
- 8.8 5 Grey Kangaroos (= 4.4m)
- 9.2 2 Rabbits, 1 shot. Leave fence, right. (SS)
- 11.2 Crossroads. Left (S)
- 11.9 Main track.
- 12.0 Home track.
- 13.3 2 Grey Kangaroos. Dam campsite. 2330 hours.



Traps: Damsite (East) Nil.

East Sandplain. 1 Mus musculus (E)

1 Sminthopsis murina (E) Released.

Mist Net: 1 Chalinolobus gouldii.

Dusk Shooting: 7 Chalinolobus gouldii.

General: Completed block foot traverses in burnt casurina area. Apart from Grey Kangaroos negative. McKenzie and Morris returned to Perth a.m. Mr. and Mrs. Moss, Fauna Warden and wife, visited this p.m., and assisted in a spotlight run.

0.0 Ex camp. 2050 hrs.  
 1.4 Frogmouth.  
 2.4 Crossroad, turn right (E) Frogmouth.  
 2.5 Grey Kangaroos - 3.  
 2.6 4 Rabbits, 1 shot. Grey Kangaroo.  
 3.2 3 Rabbits. Fox. Sminthopsis murina (released).  
 3.4 3 Rabbits, 2 shot.  
 3.6 Rabbit shot.  
 3.9 2 Rabbits, 1 shot.  
 4.2 Turn around.  
 5.4 Fox.  
 5.7 Tadarida australis.  
 5.8 Rabbit shot.  
 7.4 Macropus irma.  
 8.0 Tadarida australis.  
 9.2 Frogmouth.  
 9.3 Camp. 2235 hours.

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SUNDAY 6th FEBRUARY

Daily Mileage 129.

Traps: 1 Mus musculus (E).  
1 Sminthopsis murina (E).

Mist Nets: 2 Chalinolobus gouldii.  
1 Tadarida planiceps.

General: Pulled all traplines. Broke camp.  
Returned to Perth, arrived 1630 hours.  
Commenced report.

Monday 7th February:

Completed Report, and presented to Dr A.A. Burbidge

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